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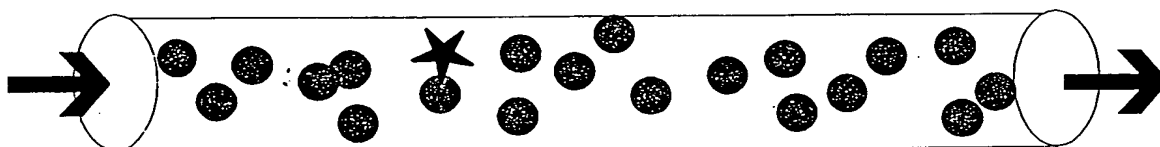
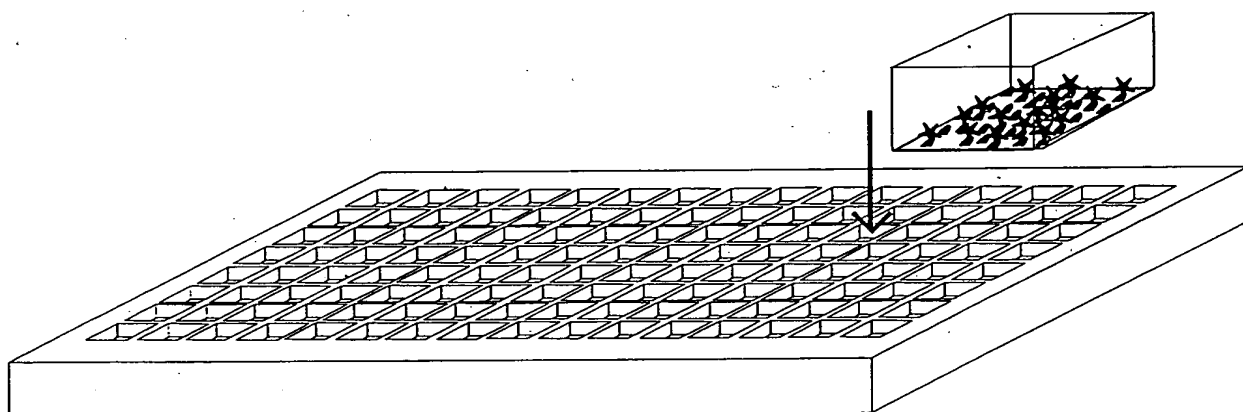
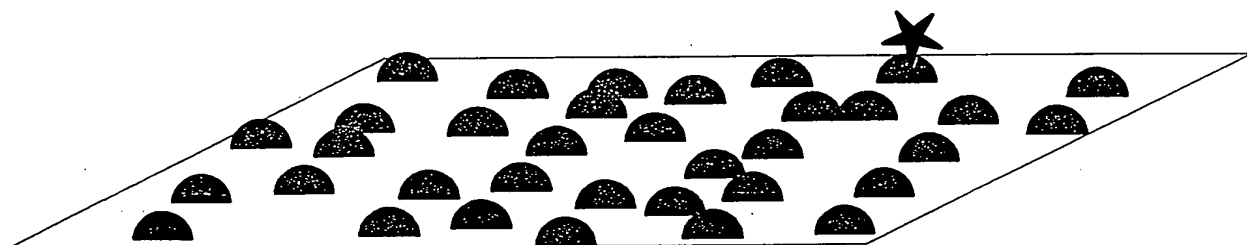
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FIG. 1



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T0240 90054250

FIG. 2

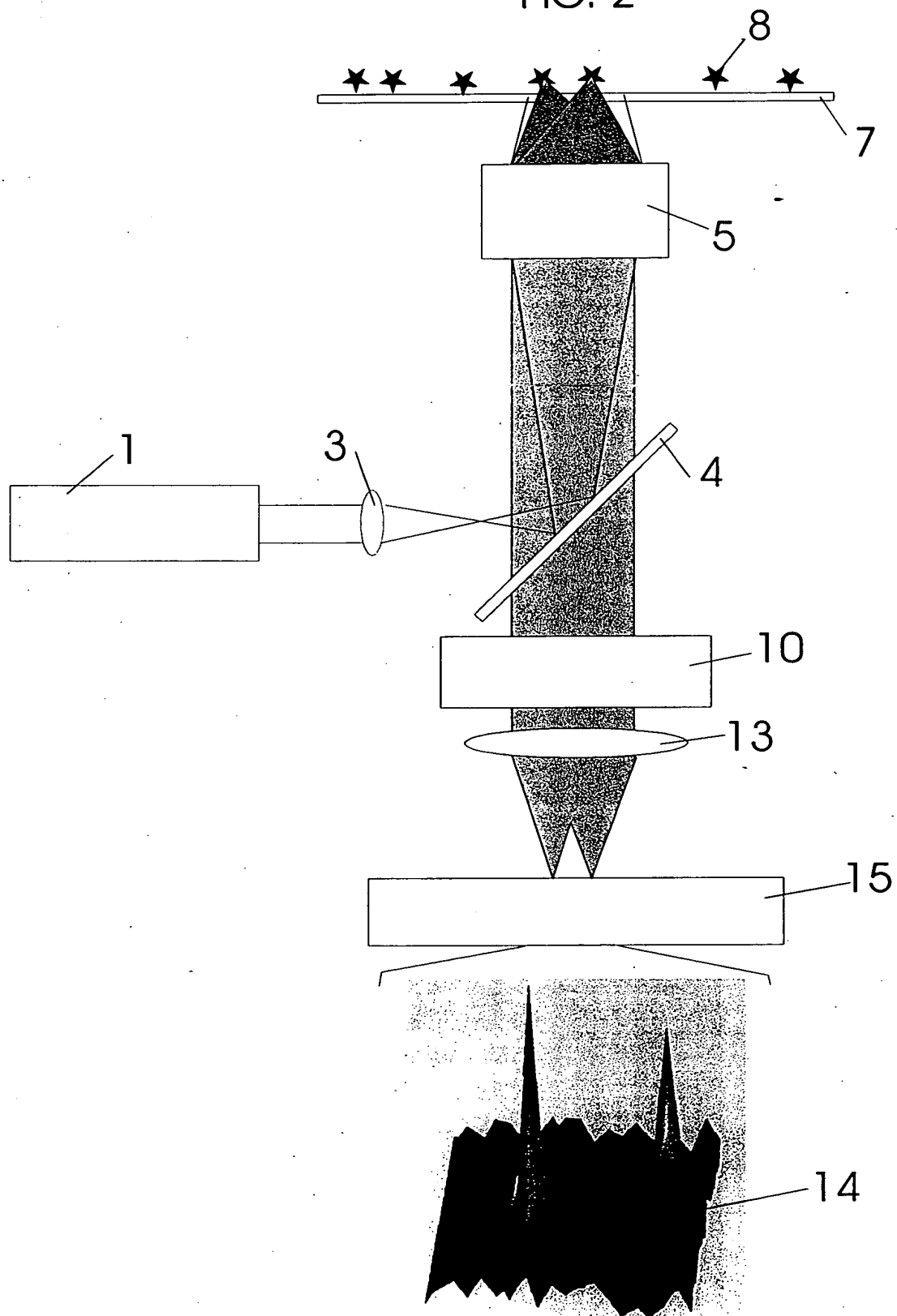
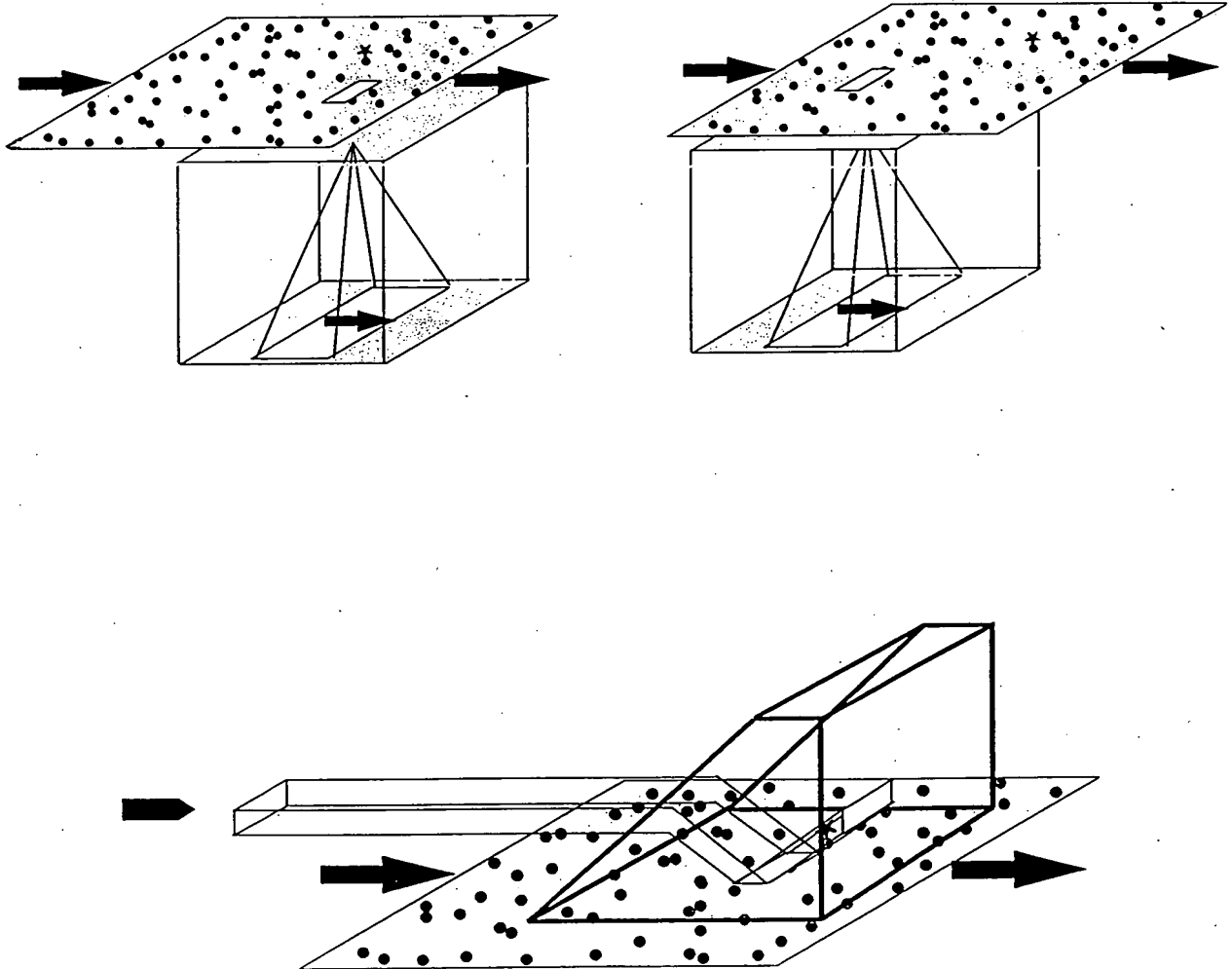


FIG. 3



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FIG. 5

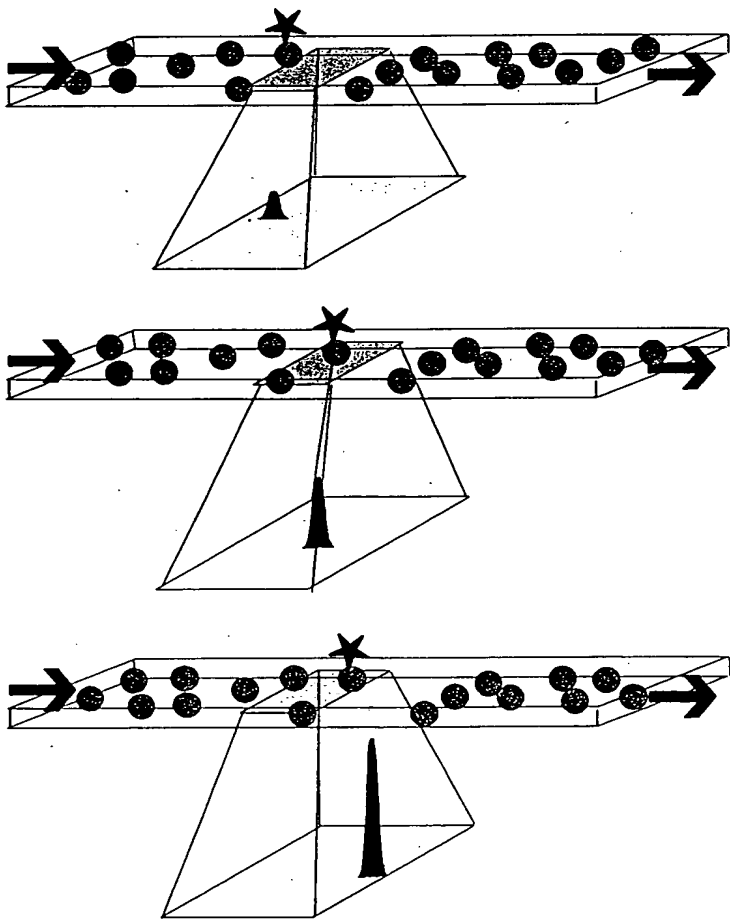
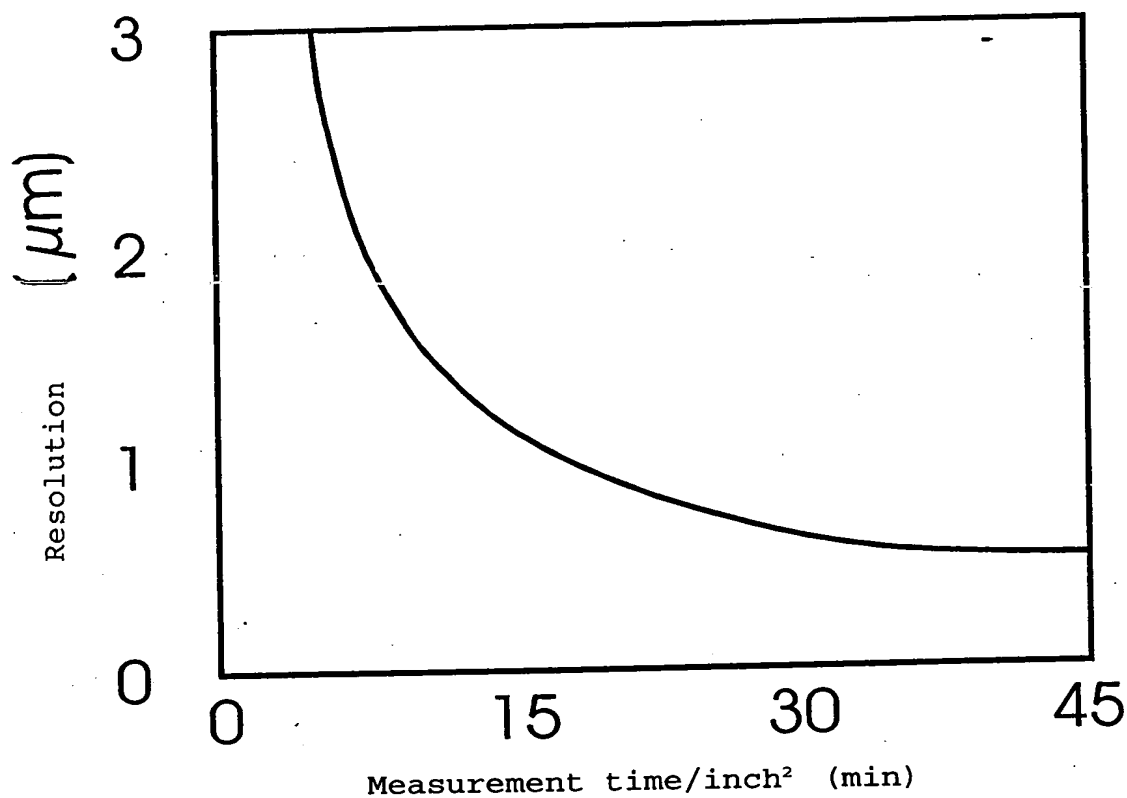
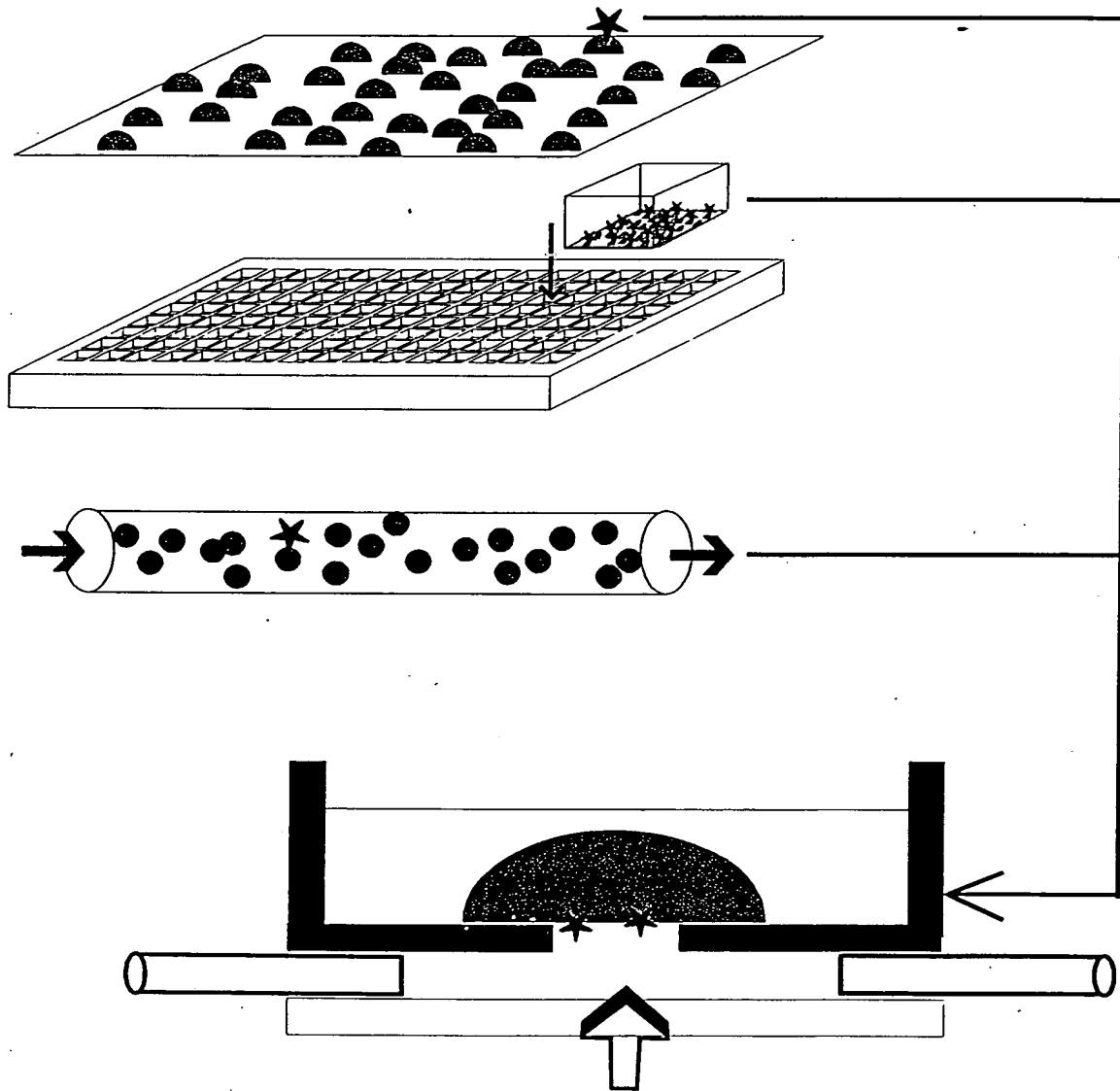


FIG. 6



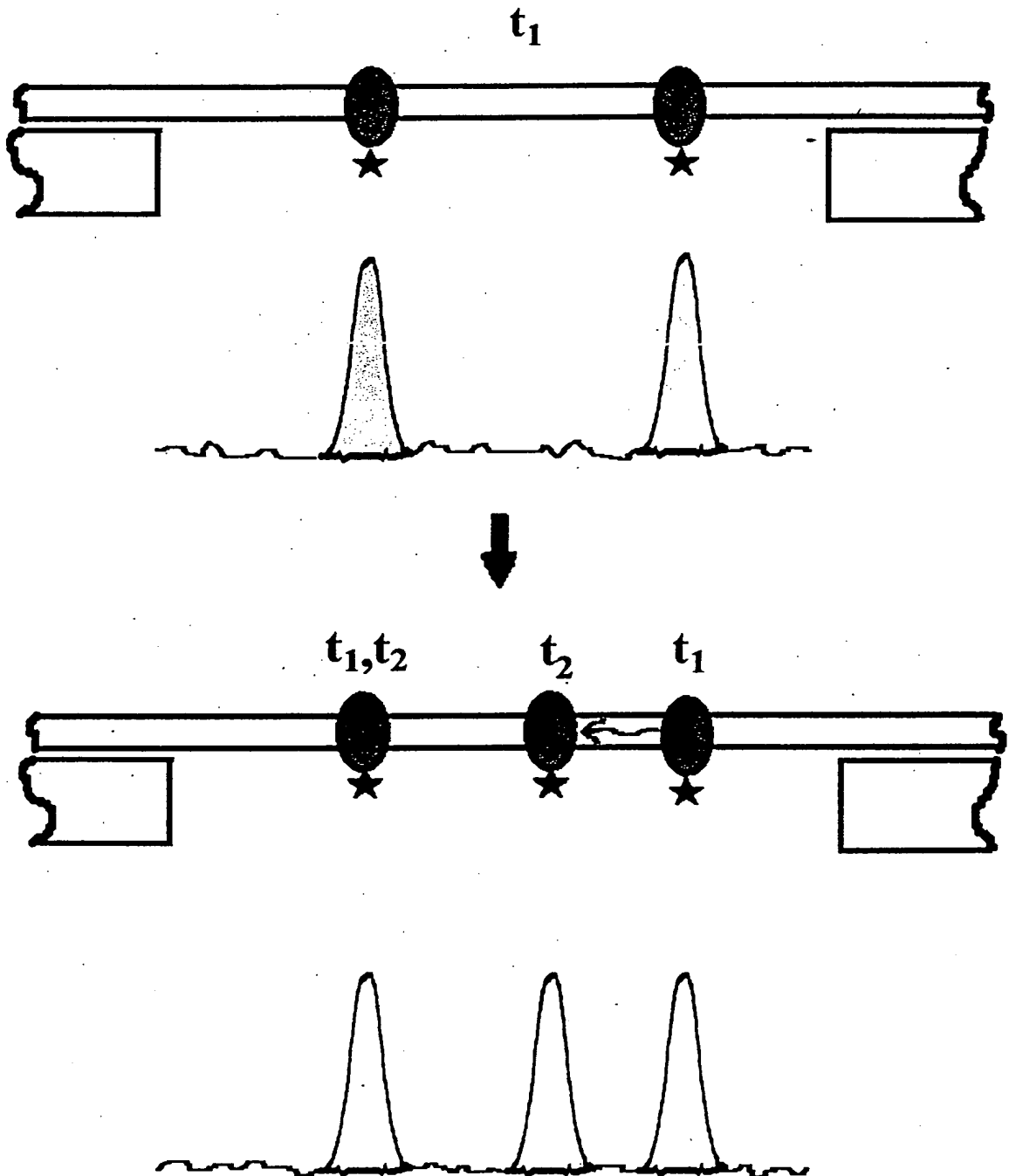
for typical characteristics of CCD cameras (cooled with liquid N_2): 1300 x 1340 pixels ($250 \times 250 \mu m$)
 line shift rate 300 KHz, read-out rate 1 MHz, read-out noise ~ 7 counts per pixel, dark noise ~ 0 .
 Objective with 40-fold magnification, illuminated area = area pixel array/40 x 40 = $400 \mu m \times 100 \mu m$;
 light intensity maintained at 250 counts per fluorophore

FIG. 7



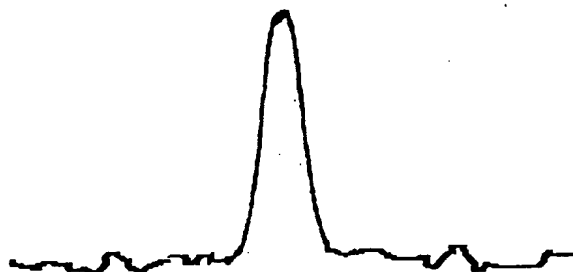
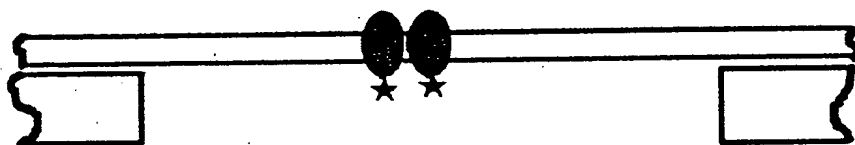
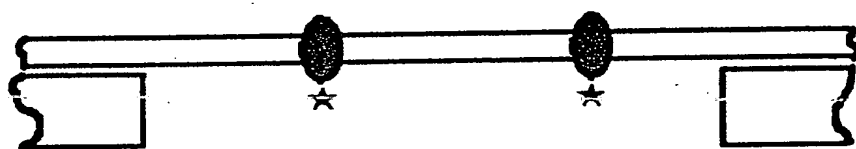
US 4,500,000 A

FIG. 8



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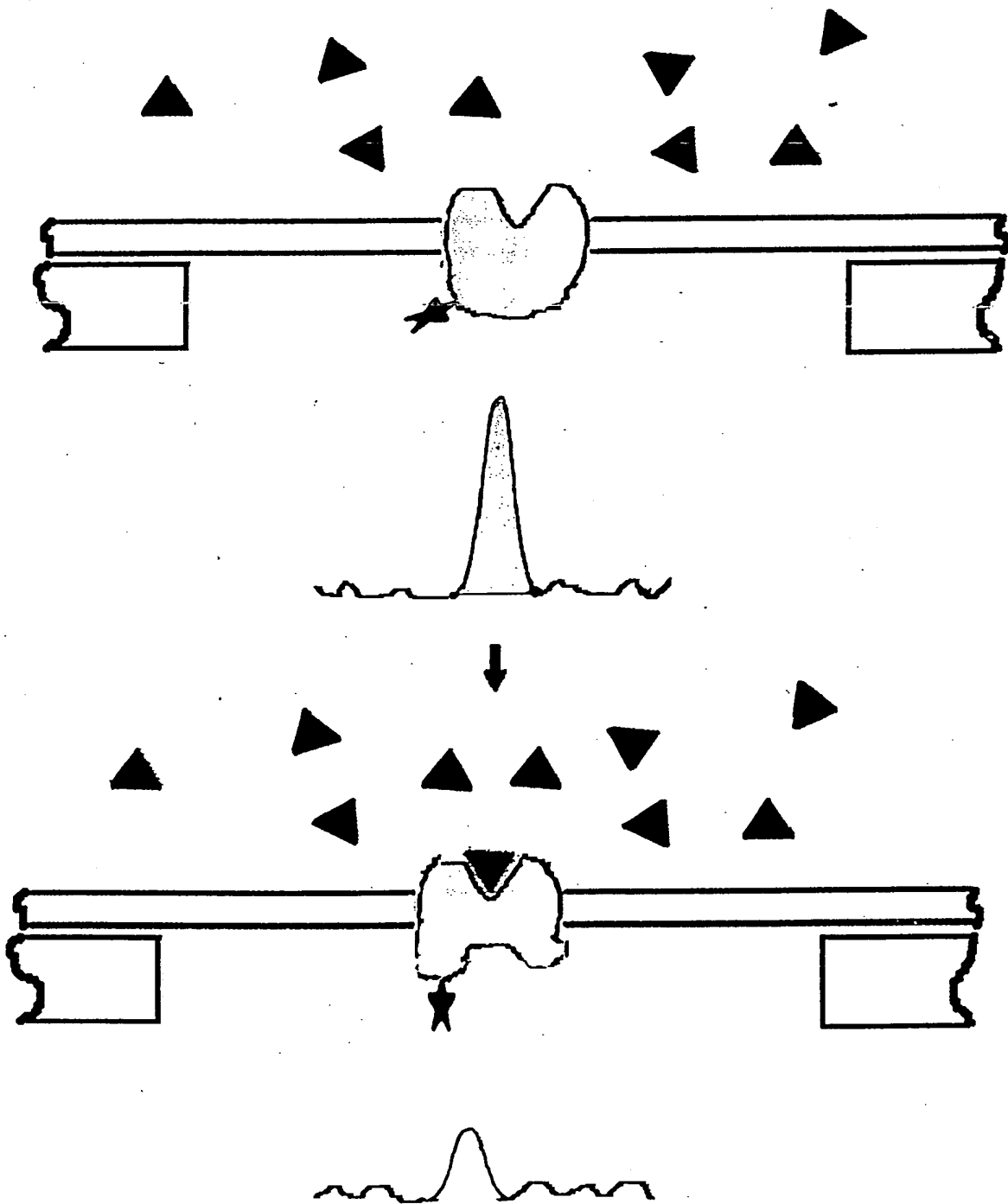
FIG. 9



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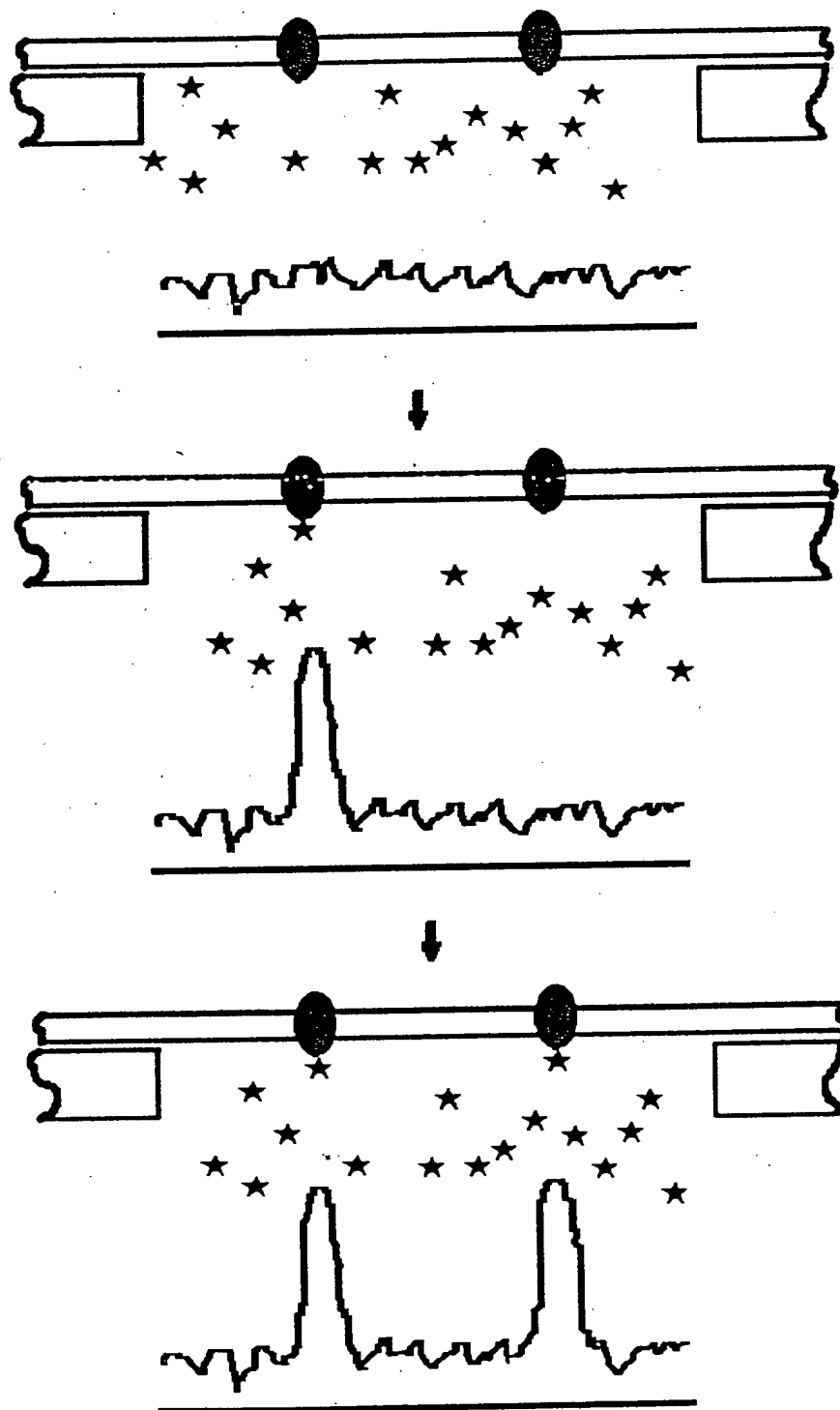
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FIG.10



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FIG. 11



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FIG. 12

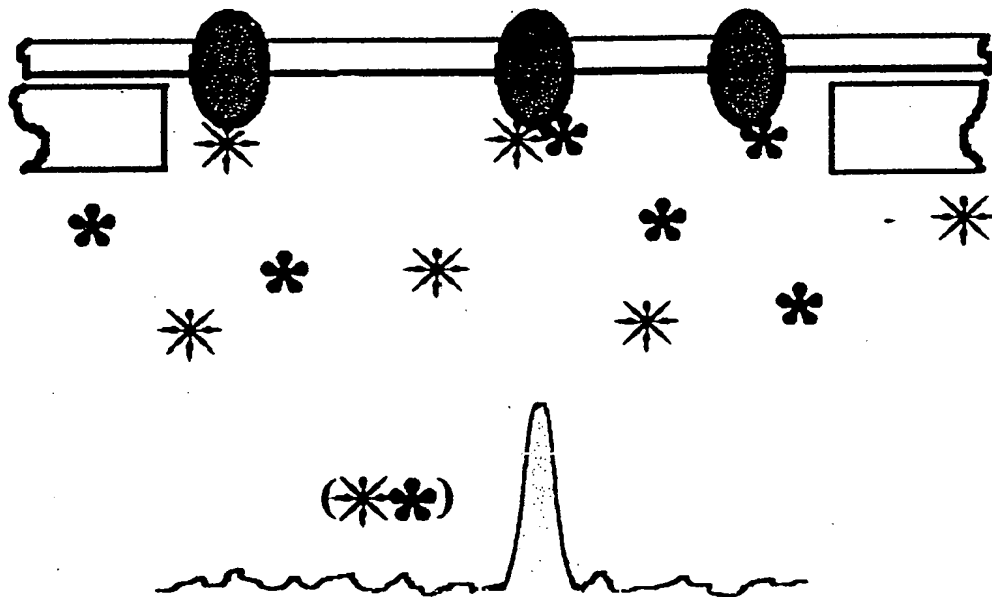
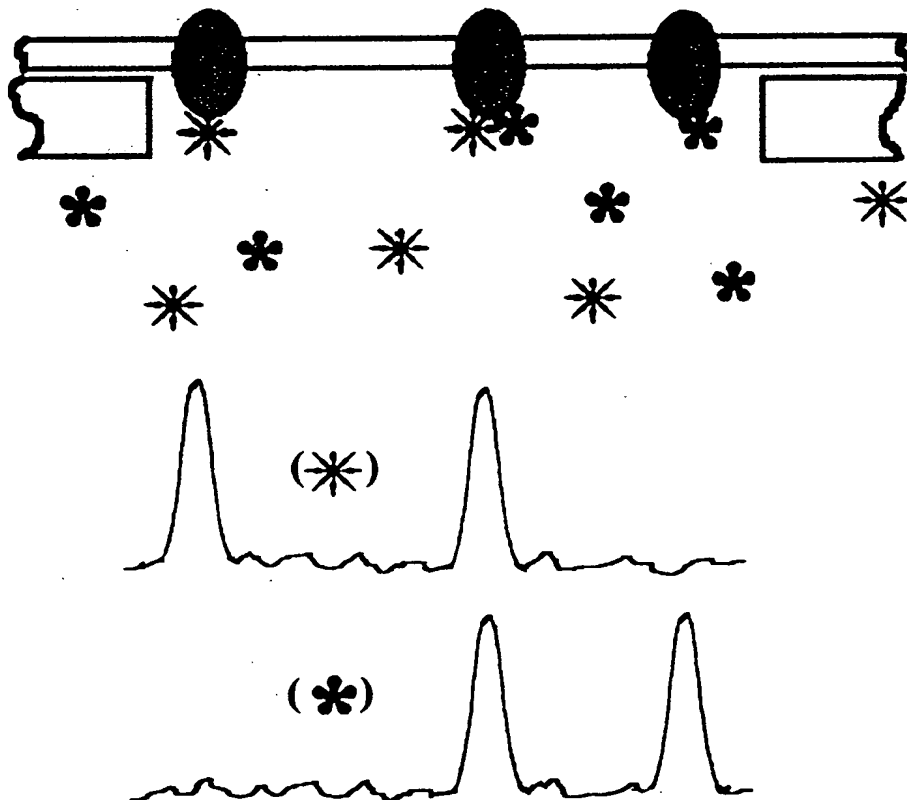


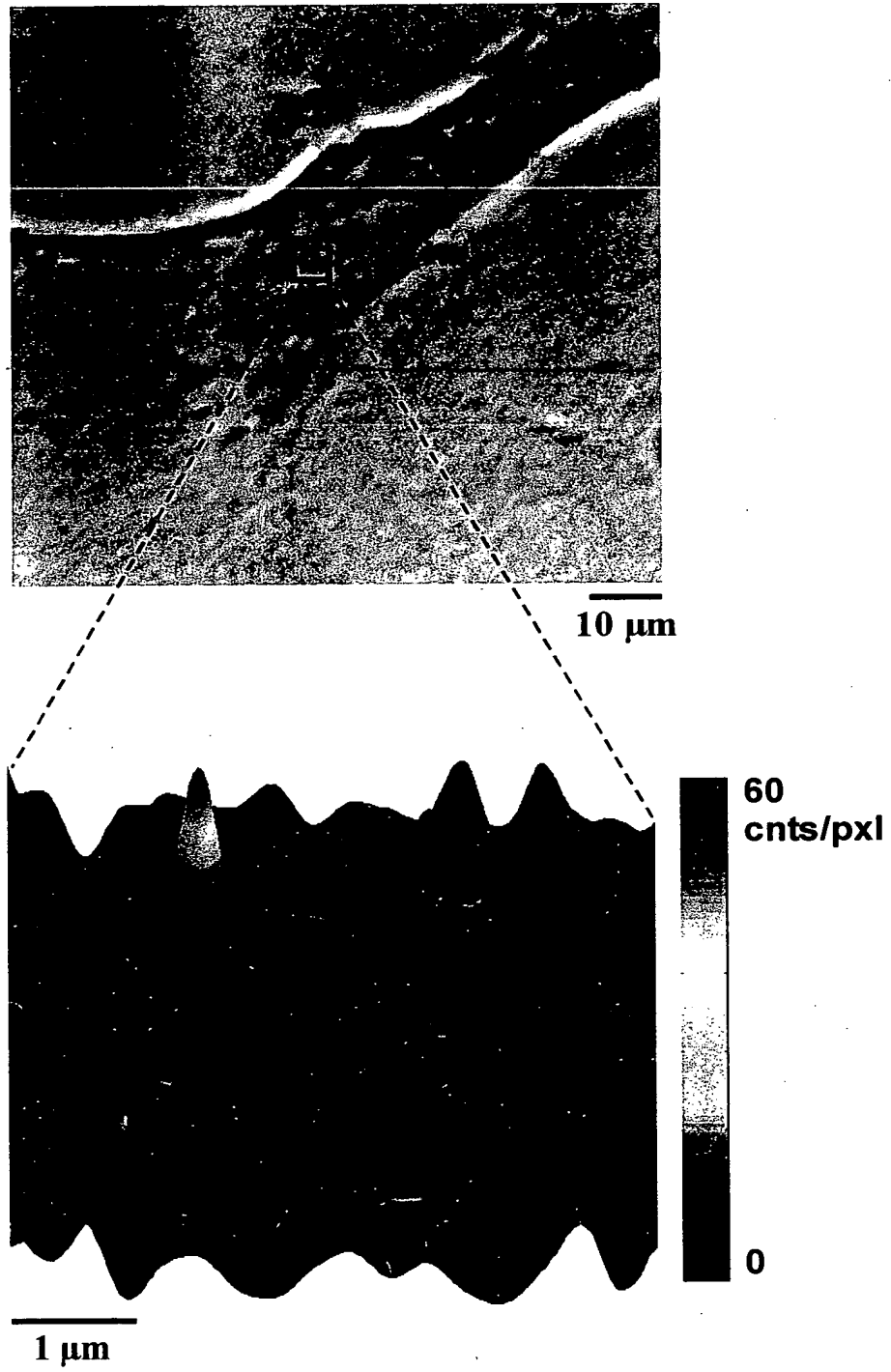
FIG. 13



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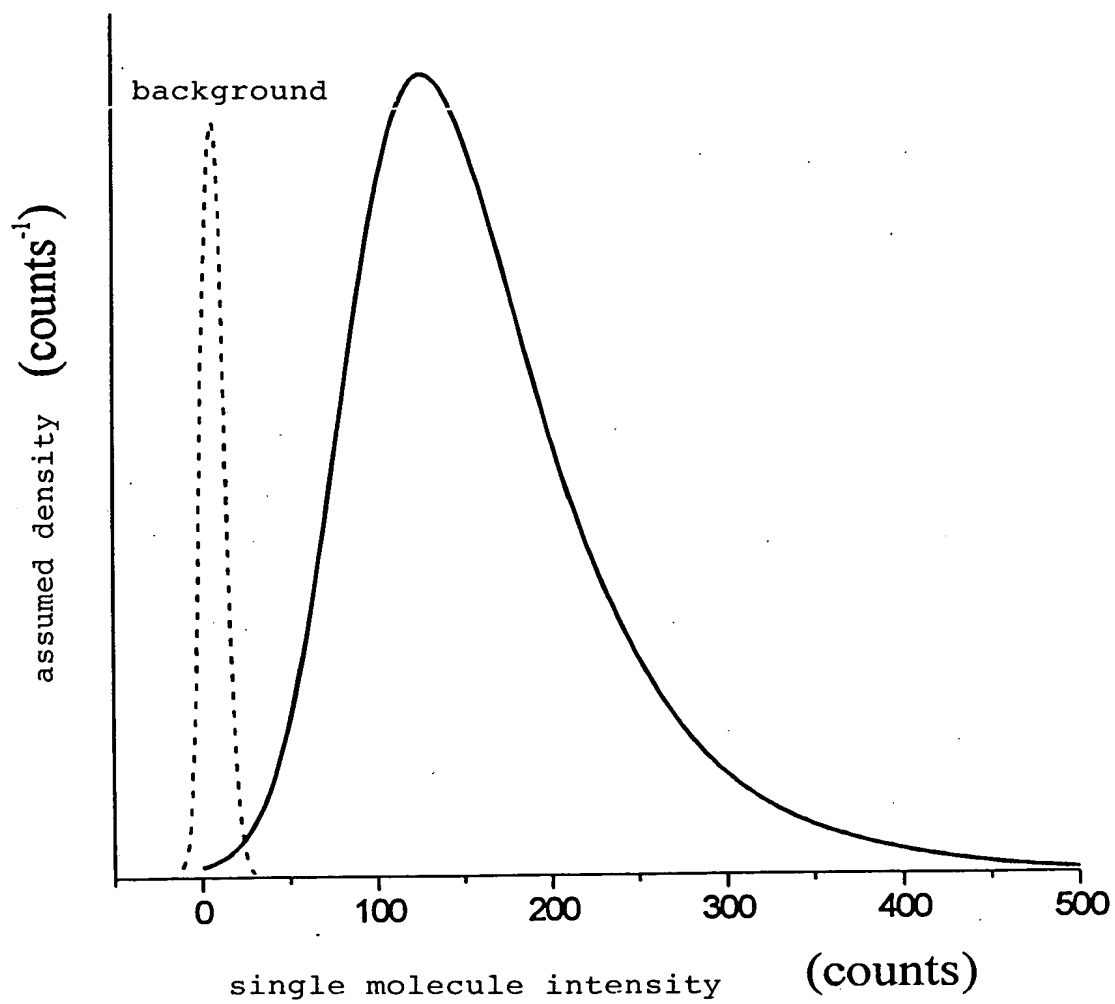
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Fig.14



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Fig.15



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Fig. 16

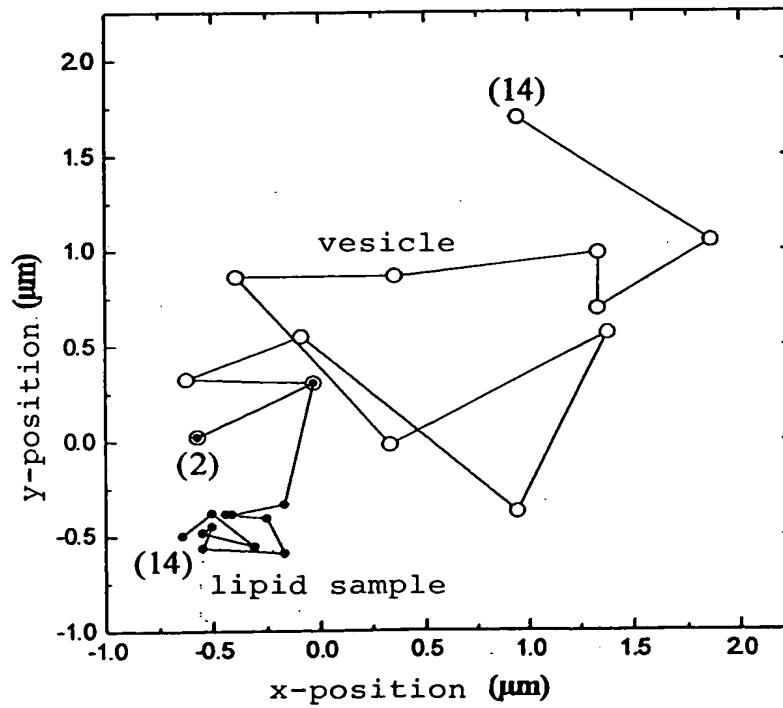
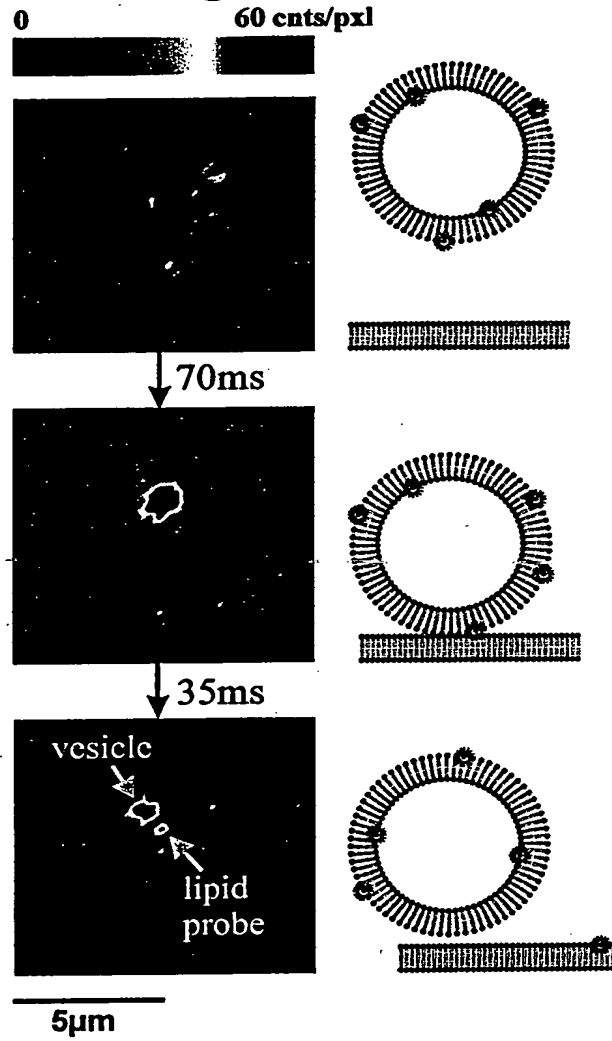


Fig.17

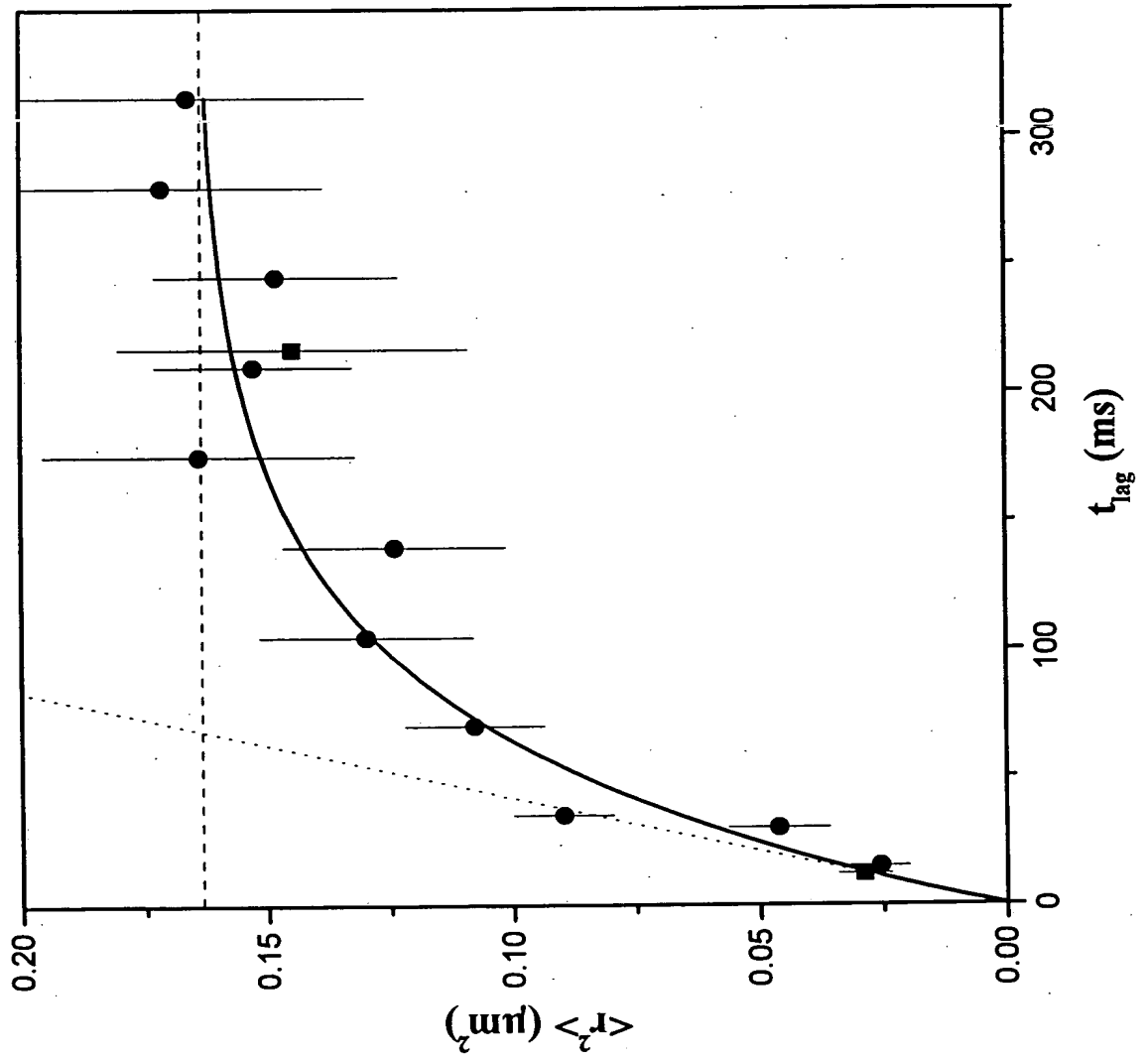


Fig.18

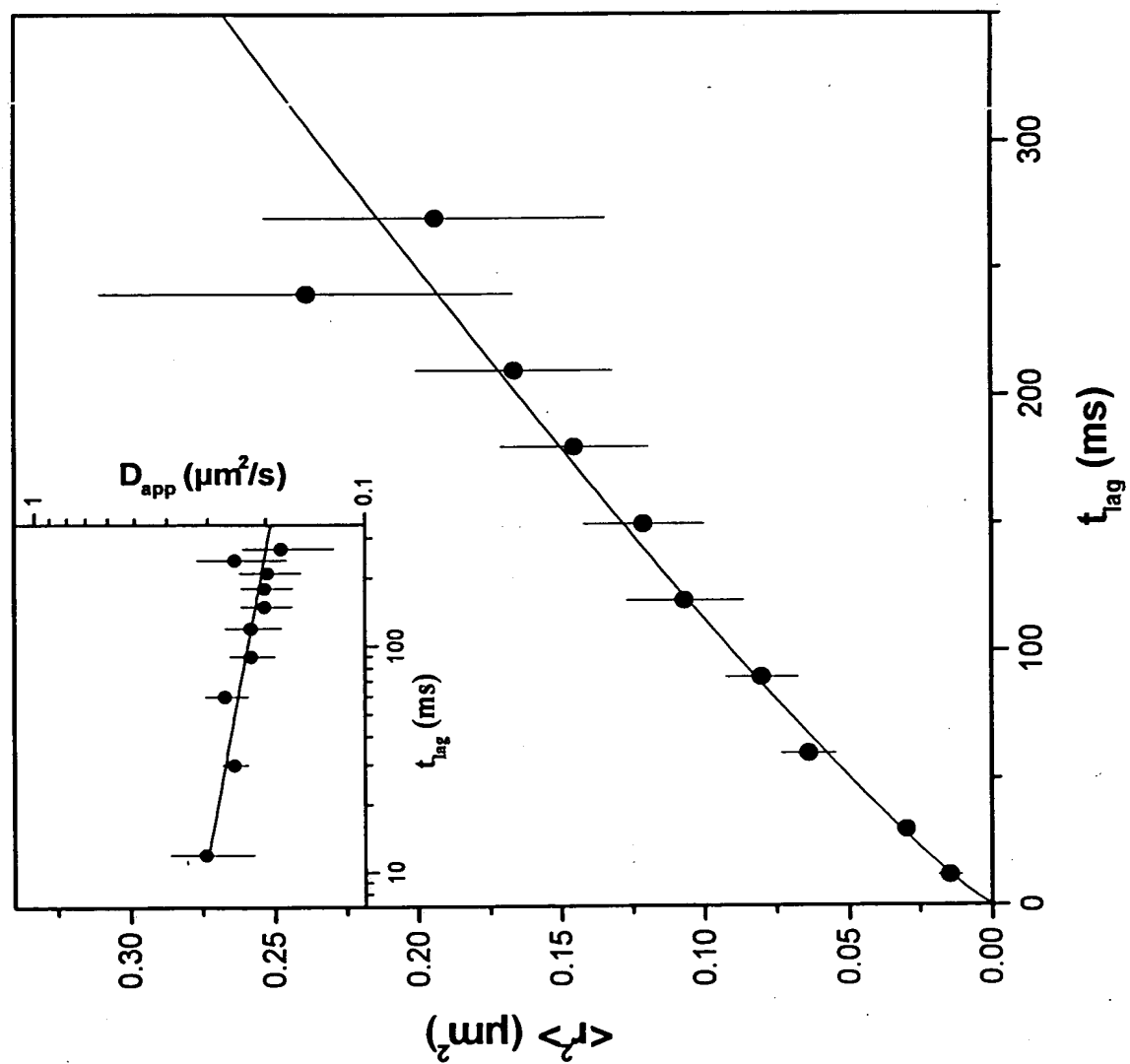
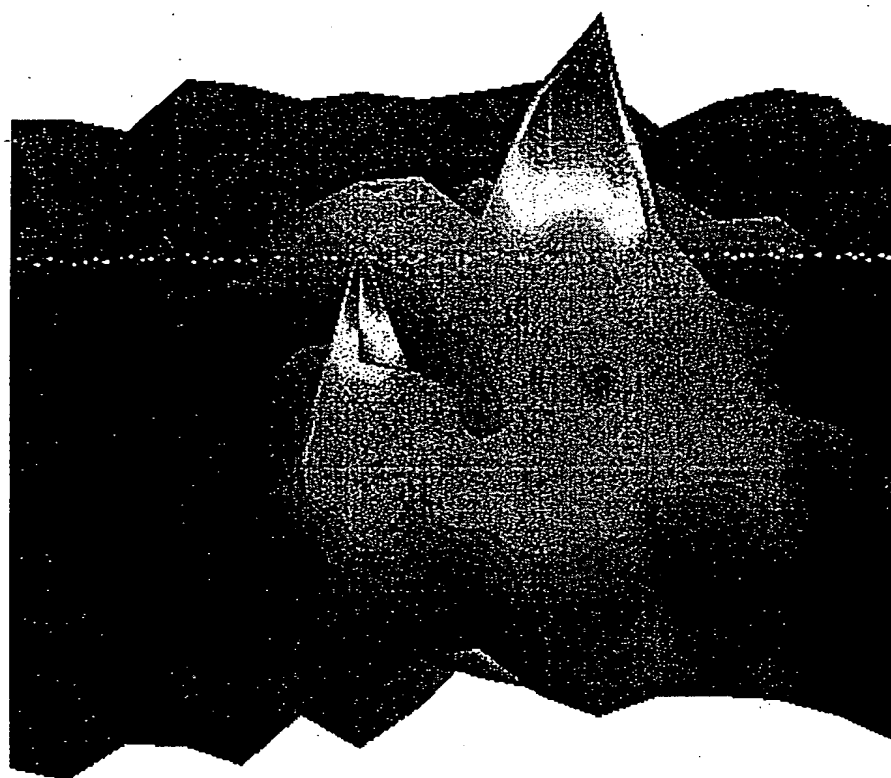


FIG. 19



1 μm

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Fig. 20A

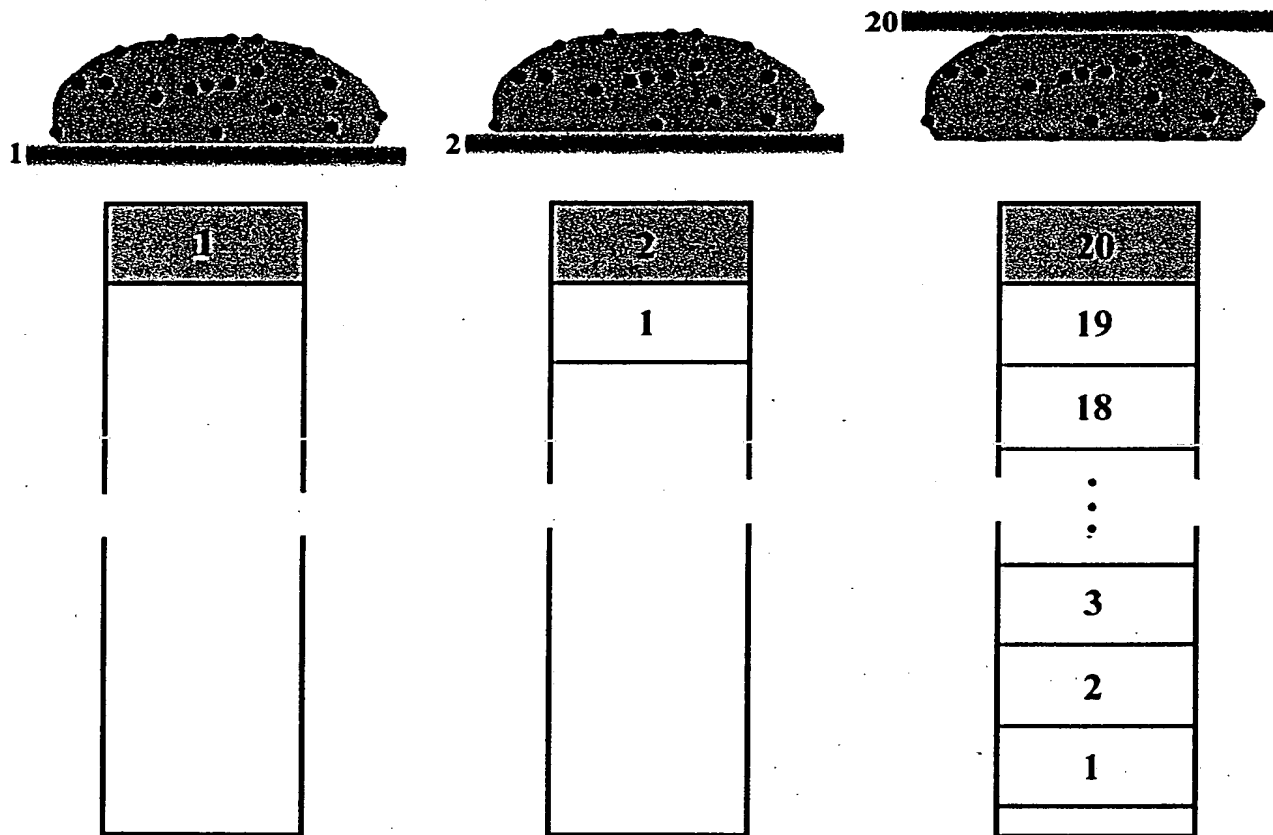
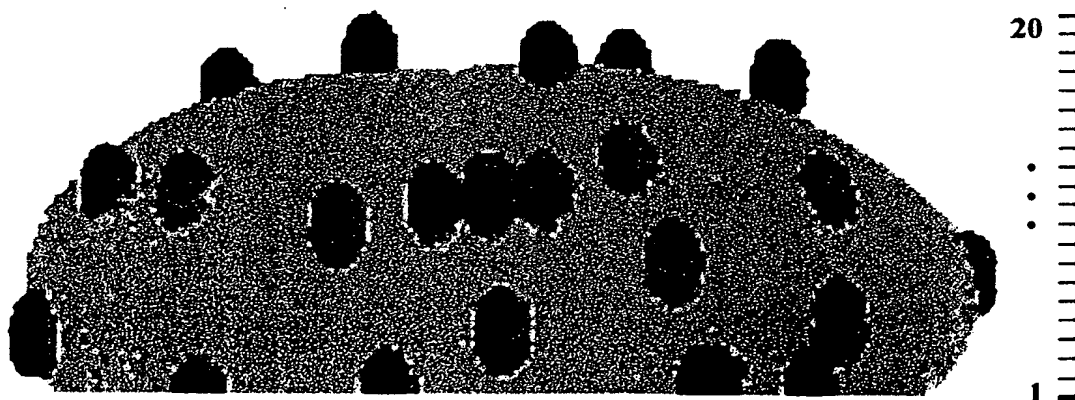


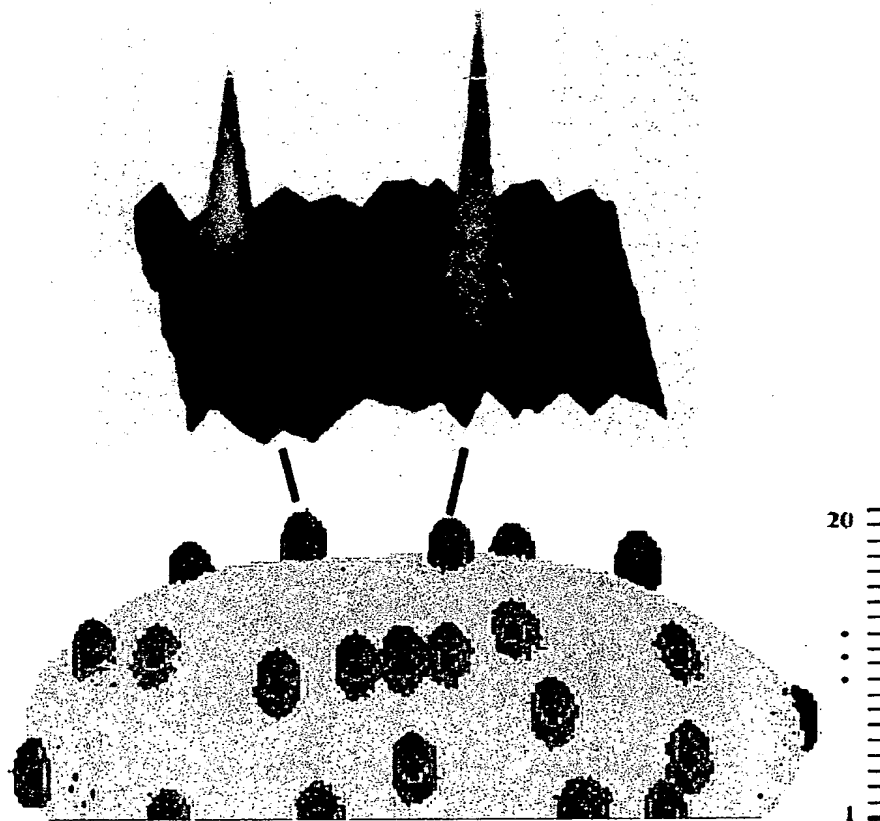
Fig. 20B



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FOI 2009 00054260

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FIG. 20C



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FIG. 21

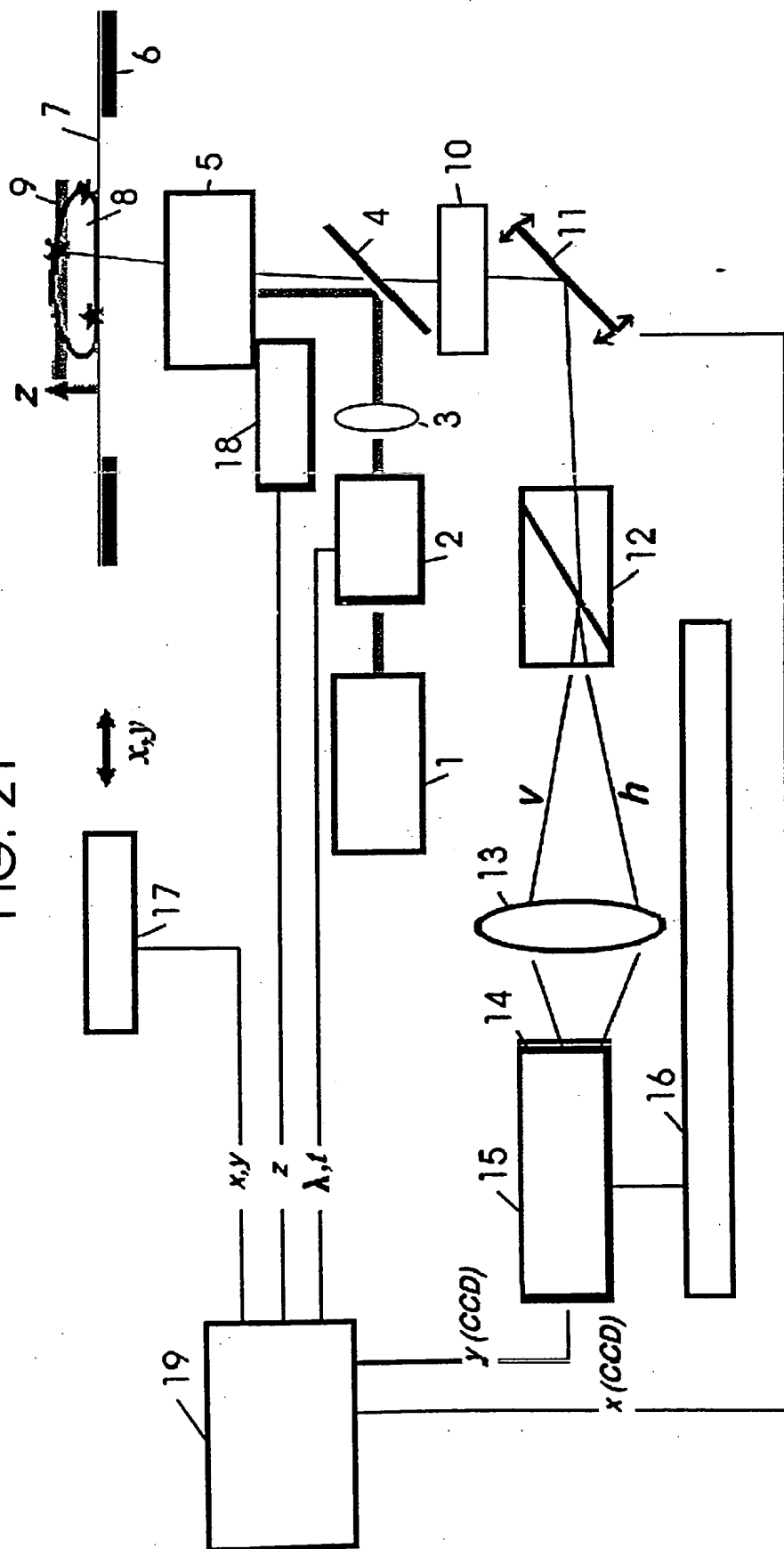


FIG. 22

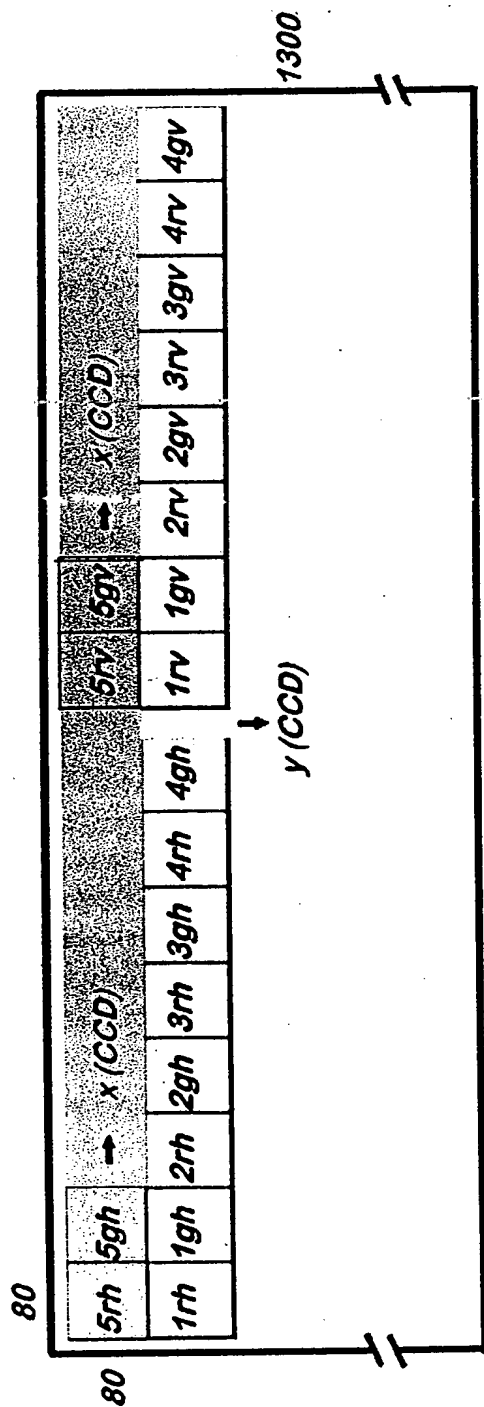


FIG. 23

